

# Purchasing Receipts

Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200  
Fax 613 632-5246



PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name	
PO041131	MCM001-VU	2	1	2% 10 Net 30	MT-NYLON 6-B3.000X4.000-W	CAST NYLON 6-BAR 3" X 4" receive ft				4	10/1/2018	4		S115713	Stock	10/1/2018	\$ 94.00 / ft	2		\$376.00	McMaster-Carr Supply Co,	
		7			8695K716	Polyurethane Rod 1.00" DIA. 80A (Hard) Abrasion - resistant Polyurethane Rubber Rod 1" Diameter				16		4		S115714	Stock	10/1/2018	\$ 18.04 / ft	2		\$72.16	McMaster-Carr Supply Co,	
													12		S115738	Inactive	10/1/2018	\$ 18.04 / ft	2		\$216.48	McMaster-Carr Supply Co,
Total:										20			20								\$664.64	

Plex 10/3/2018 3:39 PM dart.Tollis.Andrew



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO041131

**Supplier:** MCM001-VU  
McMaster-Carr Supply Co,  
P.O. Box 7690  
Chicago, IL 60680-7690 USA  
Phone: 330 995 5500  
Fax: 330 995 9600

**PO No:** PO041131

**PO Date:** 9/25/18

**Due Date:** 10/1/18

**Purchase Order  
Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**E-MAILED**  
SEP 26 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pynt Terms:** 2% 10 Net 30

**Freight Terms:**

**Special Comments:**

Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	180796	97787A661		Expandable Pin AS PER DWG D4711 REV. D	Firmed	-	10/1/18	12 Ea	0 Ea	12 Ea	\$114.68/Ea	\$1,376.16
Line Item Note 09094-QADC416 SAME AS 97787A661												
2		MT-NYLON 6-B3.000X4.000-W	8733K243	CAST NYLON BAR 3" X 4" receive ft	Firmed	-	10/1/18	4 ft	0 ft	4 ft	\$94.00/ft	\$376.00
3		1376N22	3 ft	Multipurpose Neoprene Rubber Strip, Adhesive-Back, 2" x 36", 1/32" Thick	Firmed	-	10/1/18	6 ft	0 ft	6 ft	\$4.35/ft	\$26.10
Line Item Note 2 pcs of 3 ft												
4		1376N23	3 ft	Multipurpose Neoprene Rubber Strip, Adhesive-Back, 2" x 36", 1/16" Thick	Firmed	-	10/1/18	6 ft	0 ft	6 ft	\$4.543/ft	\$27.26
Line Item Note 2 pcs of 3 ft												
5		C45-3-4-1	98410A110 100/pk	Retaining Ring	Firmed	-	10/1/18	200 Ea	0 Ea	200 Ea	\$0.13/Ea	\$26.00
6		4.5NR-50	98381A544 25/pk	Lifter Pin	Firmed	-	10/1/18	25 Ea	0 Ea	25 Ea	\$0.2836/Ea	\$7.09



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# **PURCHASE ORDER** **PO041131**

## **Items**

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
J A		8695K716	4' lenght	Polyurethane Rod 1.00" DIA. 80A (Hard) Abrasion - resistant Polyurethane Rubber Rod 1" Diameter	Firmed	-	10/1/18	16 ft	16 ft 0 ft 16 ft 18/10/03	16 ft	\$18.04/ft	\$288.64
Grand Total:												\$2,127.25

## **Order Notes**

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

### **Procurement Quality Clauses**

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

Plex 9/26/18 2:45 PM dart.lavoie.chantal

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Purchase Order  
**PO041131**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**1775594-04**

Page 1 of 1

09/26/2018

Line	Product	Ordered	Shipped
2	<b>8733K243</b> Cast Nylon Bar, 4" Wide, 3" Thick	4 Feet	4
7	<b>8695K716</b> Abrasion-Resistant Polyurethane Rubber Rod, 48" Long, 1" Diameter, 80A Durometer	4 Each	1

Shipped separately from our New Jersey warehouse on 09/26

1	<b>97787A661</b> Expanding Diameter Quick-Release Pin, 1/4" Diameter, 1" Usable Length	12 Each	4
5	<b>98410A110</b> External Retaining Ring, Beryllium Copper, for 3/16" OD	2 Packs	2
7	<b>8695K716</b> Abrasion-Resistant Polyurethane Rubber Rod, 48" Long, 1" Diameter, 80A Durometer	4 Each	3



200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Purchase Order  
**P0041131**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**1775594-02**

Page 1 of 1

09/26/2018

Line	Product	Ordered	Shipped
7	<b>8695K716</b> Abrasion-Resistant Polyurethane Rubber Rod, 48" Long, 1" Diameter, 80A Durometer	4 Each	3
Shipped separately from our Cleveland warehouse on 09/26			
1	<b>97787A661</b> Expanding Diameter Quick-Release Pin, 1/4" Diameter, 1" Usable Length	12 Each	8
2	<b>8733K243</b> Cast Nylon Bar, 4" Wide, 3" Thick	4 Feet	4
3	<b>1376N22</b> Multipurpose Neoprene Rubber Strip, Adhesive-Back, with Certificate, 1/32" Thick, 50A Durometer, 2" x 36"	2 Each	2
4	<b>1376N23</b> Multipurpose Neoprene Rubber Strip, Adhesive-Back, with Certificate, 1/16" Thick, 50A Durometer, 2" x 36"	2 Each	2
6	<b>98381A544</b> Dowel Pin, Alloy Steel, 1/4" Diameter, 1-1/4" Long	1 Pack	1
7	<b>8695K716</b> Abrasion-Resistant Polyurethane Rubber Rod, 48" Long, 1" Diameter, 80A Durometer	4 Each	1

Cast Nylon Bar, 4" Wide, 3" Thick

In stock  
\$94.00 per ft.  
8733K243



Material	Nylon Plastic
Grade	6
Fabrication	Cast
Cross Section Shape	Rectangle
Construction	Solid
Texture	Smooth
Color	Off-White
Clarity	Opaque
Thickness	3"
Thickness Tolerance	0" to +0.025"
Tolerance Rating	Oversized
Width	4"
Width Tolerance	0" to +1/4"
Length	1 ft., 2 ft.
Backing Type	Plain
Hardness	Rockwell R100
Hardness Rating	Hard
For Use Outdoors	No
Temperature Range	-20° to 200° F
Impact Strength	0.40 ft.-lbs./in.
Impact Strength Rating	Poor
Tensile Strength	10,000 psi
Tensile Strength Rating	Excellent
Specifications Met	3-A Certified, <u>ASTM D5989</u> , Made of FDA Listed Material, UL 94HB
Density	0.042 lbs./cu. in.
Coefficient of Friction	0.22

Dielectric Strength	500V/mil
Water Absorption	0.60%
Coefficient of Thermal Expansion	5 x 10 <sup>-5</sup> in./in./°F
RoHS	Compliant

Use these cast nylon 6 sheets and bars for gears, sprockets, and wear strips. They're lightweight, stiff, and easier to machine than other types of nylon. They have a slippery surface and are an excellent insulator. This material is comparable to Nylatron and Nycast.

1 2 3 4 5 6 7 8

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.08.23	VM	WM

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL:

SPECIFICATION:

PART NUMBER:

NYLON 6 BAR  
ASTM D5989

MT-NYLON 6-B[H.HH]x[W.WWW]-C

WHERE "H.HH" = HEIGHT IN INCHES

WHERE "W.WWW" = WIDTH IN INCHES

WHERE "C" = COLOR [W= WHITE] / [B= BLACK]

EG. 1/4" x 2" WHITE BAR = MT-NYLON 6-B0.250x2.000-W

TOLERANCES PER MANUFACTURER SPECIFICATIONS

<b>DART</b> AEROSPACE		NYLON 6 BAR	
TITLE		Dwg No.	
DESIGN BY: VM 8/9/2017		REV. A	
CHECKED BY: SAC 09/07/2017		DATE: 17/08/2023	
DRAWN BY: VM 09/07/2017		BY: VM	
MFG APPR: ED 09/12/2017		DATE: 17/08/2023	
QA APPR: VM 09/12/2017		SCALE: NTS	
DATE: 9/7/2017		SHEET 1 OF 1	
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REN 17-149



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-NYLON 6-B3.000x4.000-W  
 DATE: 18/10/03

PO / BATCH NO.: P0041131/S115713

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 44  
 QUANTITY INSPECTED: 44  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 3.000"  
 THICKNESS RECEIVED: 3.000"  
 SHEET SIZE ORDERED: -  
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	ASTM D5989
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	P0041131
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> DATE: <u>18/10/03</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Abrasion-Resistant Polyurethane Rubber Rod  
48" Long, 1" Diameter

\$72.16 Each  
8695K716



Shape	Rod
Material	Polyurethane
Texture	Smooth
Diameter	1"
Diameter Tolerance	-0.025" to +0.025"
Length	48"
Length Tolerance	-0.25" to +0.25"
For Use Outdoors	Yes
Temperature Range	-20° to 200° F
Color	Black
Durometer	40A (Medium Soft), 60A (Medium Hard), 75D (Extra Hard), 80A (Hard), 90A (Extra Hard), 95A (Extra Hard)
Durometer Tolerance	-5 to +5
RoHS	Compliant

Stronger than natural rubber, these polyurethane rods combine the shock-absorbing qualities of rubber with the tear resistance of plastic. Use them to seal narrow spaces such as channels.

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 8695K716  
 DATE: 18/10/03

PO / BATCH NO.: P0041131/5115714

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 16ft  
 QUANTITY INSPECTED: 16ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000"  
 THICKNESS RECEIVED: 1.000"  
 SHEET SIZE ORDERED: -  
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	P0041131
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AK</u> DATE: <u>18/10/03</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in